Datasheet

HP OmniStudio All-in-One Desktop 24-cv0001na PC

Clarity, comfort, and power for everything you do

The HP OmniStudio 24-inch All-in-One Desktop keeps up with your family's busy day, powered by AMD processors[1] for smooth, reliable performance. Featuring a vibrant Full HD display[2] and ample storage[3], it's perfect for home, work, and entertainment.



*Product image may differ from actual product

Performance you can count on

Power through projects with smooth, reliable AMD[1] performance for work, study, and entertainment.

Built to stream, share, and stay in touch

Look and sound your best with a 24" Full HD display[2], fast Wi-Fi[4], and 1080p webcam[5] for smooth calls.

Built to belong. Designed for comfort.

Find your perfect angle with the tiltable stand and enjoy a wider view in a sleek, compact design.

Sustainability in action

Designed with purpose

Designed to include at least 60% post-consumer recycled plastic in the body[7]. EPEAT Gold with Climate+[8] and ENERGY STAR® registered[9].

with

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Featuring

Windows is fast, powerful, and secure
Windows 11 is fast, powerful, and secure, giving you a dependable foundation to work, create, and stay protected every day.[10]

AMD Ryzen™ 5 processor with AMD Radeon™ Graphics
Everyday performance and speed to power through tasks. Multitask, stream, enjoy 1080p gaming, and edit photos or videos smoothly with responsive performance and vibrant HDR visuals.[11]

AMD Radeon™ graphics
Whether it's games or movies, experience high performance for all your entertainment.

Anti-glare panel
Enjoy the sun and your favorite content with this anti-glare panel. Non-reflective and low gloss means you'll get less glare while you're outside.

Screen to body ratio
Revolutionize your display and see more of what you love with this slim bezel design. Enjoy an immersive multimedia experience with a maximized viewing area.

ENERGY STAR® certified
Save energy and money with ENERGY STAR®, certified by the EPA so you will use less energy and save money where it counts most.[12]

HP True Vision FHD IR camera
Log in safely through Windows Hello with the infrared sensor. With an 88-degree, wide-angle field of view, you can video chat with your entire family or group of friends in stunning detail.[5]

USB Type-C® 10Gbps signaling data rate
Plug in your external storage with this USB Type-C® port, featuring 10Gbps signaling data rate. And it's reversible, so you never have to worry about plugging in upside down.[13]

Realtek Wi-Fi 7 and Bluetooth® 6.0 wireless card
Take a leap in wireless performance with new levels of increased speed and reduced latency with Wi-Fi 7. Paired with Bluetooth® 6.0.[14]

PCIe NVMe™ M.2 SSD storage
Boot up in seconds with lightning fast speed with up to 512 GB PCIe NVMe™ M.2 SSD storage.

Dual speakers
Pump up the volume to your favorite music, movie or game with dual-stereo speakers.

Recommended accessories and services (not included)



HP 200 Sanitizable Desk Mat
8X596AA



HP Multi-Device Dual-Mode Mouse and Keyboard Combo 490C
BE1M5AA



HP Tilt Ergonomic Mouse 720M
BH0Z4AA



3-year pickup and return
UC994E

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Specifications





Performance

Operating system
Windows 11 Home
Processor
AMD Ryzen™ 5 40 (up to 4.3 GHz max boost clock, 4 MB L3 cache, 4 cores, 8 threads)[6,7]
Processor family: AMD Ryzen™ 5 processor
Chipset
AMD integrated SoC
Memory
8 GB LPDDR5x-5500 MT/s (onboard)
Transfer rates up to 5500 MT/s.
Storage
512 GB PCIe® NVMe™ M.2 SSD
100 GB Dropbox storage for 3 months[1]
Graphics
Integrated: AMD Radeon™ Graphics;
Audio
Dual 3 W speakers
Display
60.5 cm (23.8") diagonal, FHD (1920 x 1080), 100 Hz, UWVA, IPS, anti-glare, Low Blue Light, 350 nits, 100% sRGB[15]
Screen-to-body ratio
93%[5]
Power
90 W Smart AC power adapter;

Connectivity

Network interface
Realtek RTL8111HSH-CG GbE NIC
Wireless connectivity
Realtek Wi-Fi 7 (2x2) and Bluetooth® 6.0 wireless card [12,46]
Ports
Rear:
2 USB Type-C® 10Gbps signaling rate; 1 USB Type-A 10Gbps signaling rate; 2 USB 2.0 Type-A; 1 headphone/microphone combo; 1 RJ-45
Video connectors
1 HDMI-out 2.0b
Expansion slots
2 M.2 (1 for SSD loaded, 1 for WLAN loaded)
Webcam
HP 1080p FHD IR camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones

Sustainability

Ecolabels
EPEAT® Gold with Climate+[27]
Energy star certified
ENERGY STAR® certified
Sustainable impact specifications
At least 30% recycled metal; At least 60% post-consumer recycled plastic[40,41]

Design

Product color
Amethyst haze
Textured finish

Software

HP apps
HP Connection Optimizer; HP Support Assistant; OMEN Gaming Hub
Software
1 month trial for new Microsoft 365 customers[24]
Service & support
McAfee Online Protection 30-day trial; 1-month Adobe free trial offer; PC Game Pass 3-month trial [2,25]

Additional information

Part Number
P/N: D77B5EA #ABU
UPC/EAN code: 821844263396
Weight
4.98 kg (Fix Height Stand); 5.05 kg (Height Adjustable stand);
Packed: 10.15 kg
Dimensions
54.03 x 18.48 x 44.66 cm (Fix Height Stand); 54.03 x 18.48 x 48.56 cm (Height Adjustable Stand Max); 54.03 x 18.48 x 38.56 cm (Height Adjustable Stand Min);
Packed: 64 x 18 x 46.6 cm
Manufacturer Warranty
1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.
Keyboard
HP 275C USB Amethyst Haze Wireless Keyboard and Mouse Combo
Security management
Camera privacy shutter; Microsoft Pluton

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Footnotes

Messaging Footnotes

[1] Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance will vary depending on workload and your hardware/software configurations. AMD numbering is not a measurement of higher performance.
[2] Full high-definition (FHD) content is required to view FHD images.
[3] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[4] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other Wi-Fi 6 devices.
[5] Features may require software or other 3rd party applications to provide the described functionality.
[6] Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
[7] Percentage of post-consumer recycled plastic varies by product. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[8] Based on U.S. EPEAT registration according to the EPEAT criteria. EPEAT registered where applicable, tier levels may vary by country. See www.epeat.net for registration status and tier levels by country.
[9] ENERGY STAR® and the ENERGY STAR® logo are registered trademarks of the U.S. Environmental Protection Agency.
[10] Battery life varies significantly by device and with settings, usage and other factors. See aka.ms/w11claims. Based on speedometer benchmark. Performance will vary significantly by device. See aka.ms/w11claims
[11] Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD's numbering is not a measurement of clock speed.
[12] ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.
[13] Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.
[14] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 is backwards compatible with prior Wi-Fi 6E specs. Bluetooth® is a trademark owned by Bluetooth SIG inc. and used by HP Inc. under license.

Technical Specifications Footnotes

[1] 100 GB of free Dropbox storage for 3 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at https://www.dropbox.com/help/space/hp-promotion. Internet service required and not included.
[2] Internet access required and not included. McAfee is pre-installed on your PC and an account is required for activation. Subscription renewal required after trial period. VPN feature is not available in India, China, Syria or North Korea. McAfee is not compatible with Windows 11 in S mode. You'll need to permanently switch out of S mode. There's no charge to switch out of S mode, but you won't be able to turn it back on.
[5] Percent of active and nonactive viewing area to chassis
[6] Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD s numbering is not a measurement of clock speed.
[7] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
[12] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 2024, select Intel® Core™ or Intel® Core™ Ultra processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.
[15] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[24] Must activate within 180 days of Windows activation.
[25] Offer available worldwide (excluding China and embargoed countries or other countries identified as restricted by applicable law or regulation) to new and existing subscribers who are 18+. Click on the Adobe icon in the start menu to redeem a 1-month free trial membership for select Adobe software. The software is tied to the device and is not transferrable. If you would like to sign up for an auto-renewing subscription, you can provide your payment method at sign-up. By adding a payment method, your subscription will automatically renew at the then current rate on your renewal date until you cancel. If you cancel before the end of the one-month free trial, you won't be charged. You can cancel your subscription anytime via your Adobe Account page or by contacting Customer Support. Please see current prices for Adobe products available in this offer. Offer not available to Education, OEM, or volume licensing customers. Subject to availability where the recipient resides. Additional terms and conditions may apply. VOID WHERE PROHIBITED OR RESTRICTED BY LAW.
[27] Based on U.S. EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
[40] Recycled metal is expressed as a percentage of the total weight metal as per defined in the EPEAT criteria.
[41] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT criteria.
[46] Bluetooth® 6.0 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 6.0 will function as Bluetooth® 5.4 or lower.
[51] Weight and system dimensions may fluctuate due to configuration and manufacturing variances.

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